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Customer No.:

07278

Docket No.:

03988/100K297US1

PATENT TRADEMARK OFFICE

**DECLARATION  
AND POWER OF ATTORNEY  
Original Application**

As a below named inventor, I hereby declare and state:

that the information given herein is true;

that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the invention entitled:

**METHODS AND SYSTEMS FOR ESTIMATING THE MELTING TEMPERATURE (TM)  
FOR POLYNUCLEOTIDE MOLECULES**

which is described and claimed in:

☐ the attached specification or ☒ the specification in application  
Serial No. 10/660,253, filed  
September 11, 2003;

that I do not know and do not believe that the same was ever known or used in the United States of America before my or our invention thereof, or that the same was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, or that the same was in public use or on sale in the United States of America more than one year prior to this application; and

that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application.

I acknowledge my duty to disclose information of which I am aware which is material to patentability in accordance with 37 CFR 51.56.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I hereby claim the priority benefits under 35 U.S.C. §119 of any application(s) for patent or inventor's certificate listed below. All foreign applications for patent or inventor's certificate on this invention filed by me or my legal representatives or assigns prior to the application(s) of which priority is claimed are also identified below.

**PRIOR APPLICATION(S), IF ANY, OF WHICH PRIORITY IS CLAIMED**

<u>COUNTRY</u>	<u>APPLICATION NO</u>	<u>DATE OF FILING</u>
USA	60/410,663	September 12, 2002

**ALL FOREIGN APPLICATIONS, IF ANY, FILED PRIOR  
TO THE APPLICATION(S) OF WHICH PRIORITY IS CLAIMED**

<u>COUNTRY</u>	<u>APPLICATION NO</u>	<u>DATE OF FILING</u>
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**POWER OF ATTORNEY:**

As a named inventor, I hereby appoint the following attorney(s) and/or agents(s) to prosecute this application and transact all business in the Patent and Trademark office connected therewith:

Practitioners at Customer Number

**07278**

Customer Number

(At the time of execution of this document, these attorneys included: Gordon D. Coplein #19,165, Michael J. Sweedler #19,937, S. Peter Ludwig #25,351, Paul Fields #20,298, Marc S. Gross #19,614, Joseph B. Lerch #26,936, Melvin C. Garner #26,272, Adda C. Gogoris #29,714, Bert J. Lawen #19,407, Henry Sternberg #22,408, Peter C. Schachter #31,662, Robert Scheffer #31,194, Robert C. Sullivan, Jr. #30,499, Joseph R. Robinson #33,448, Scott G. Lindvall #40,325, Paul F. Fehner, Ph.D. #35,135, David Leason #38,195, Pierre R. Yanney #35,418)

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**I further declare:**

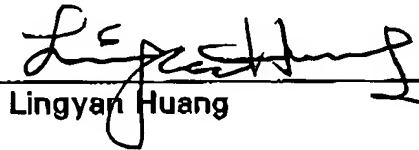
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SIGNATURE OF  
INVENTOR 1:

Mark Behlke

Dated:

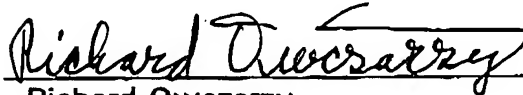
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SIGNATURE OF  
INVENTOR 2:

Lingyan Huang

Dated:

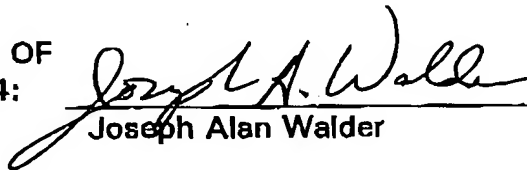
1/15/04

SIGNATURE OF  
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Richard Owczarzy

Dated:

January 15, 2004

SIGNATURE OF  
INVENTOR 4:

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Dated:

1/15/04